

ABSTRACT OF THE DISCLOSURE

5       The distance measuring device in accordance  
with the present invention comprises, light  
projecting means for projecting beam of light  
onto an object to be measured, light receiving  
means for receiving beam of light of the  
reflected light and outputting output signal  
therefrom, integration means for discharging or  
charging an integration capacitor corresponding  
10   to the output signal to integrate the output  
signal, AD conversion means for AD converting the  
voltage of the integration capacitor after  
predetermined number of repeat of the distance  
measuring routine, and detection means for  
15   detecting the distance to the object to be  
measured based on the AD converted conversion  
signal, wherein the number of repeat of the  
distance measuring routine is set saturating the  
integration capacitor through the repeat, when  
20   the object to be measured is at a short range  
alarm position.